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**From:** Rapicavoli, Emmanuelle [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=FF3604A98B624BB7A1A9A236EC176998-ERAPICAV]  
**Sent:** 6/27/2018 6:24:38 PM  
**To:** Graves, John [john.graves@bia.gov]  
**CC:** John Krause [john.krause@bia.gov]  
**Subject:** RE: [EXTERNAL] RE: Considerations for Keams PWS Feasibility Study  
**Attachments:** Keams Canyon PWS Corrective Action letter to EPA

Hi John,

Thanks for keeping me posted on the HAMP connection.

The last I received regarding the response to the sanitary survey deficiencies was this email from you (attached). Were there another correspondence with a final version that was transmitted? If so, please resend. Thanks

Emmanuelle

Emmanuelle Rapicavoli  
Drinking Water Protection Section (WTR 3-2)  
Environmental Protection Agency, Region 9  
75 Hawthorne Street  
San Francisco, Ca 94105  
(415) 972-3969 (phone)  
(415) 947-3545 (fax)

<https://www.epa.gov/tribal/region-9-drinking-water-tribal-set-aside-program>

Please: All data submittals to our office should be sent by email to [datamanager@epa.gov](mailto:datamanager@epa.gov) with a copy to me (or your project manager in the Drinking Water Office). Data reports are due no later than the 10<sup>th</sup> of the month following the month that you receive results, or the 10<sup>th</sup> of the month following the compliance period, whichever comes first. Please include the whole lab report and copy of the Chain of Custody. Label with PWS name and number; & source or distribution system location codes or names for data collection points.

**From:** Graves, John [mailto:[john.graves@bia.gov](mailto:john.graves@bia.gov)]  
**Sent:** Wednesday, June 27, 2018 8:25 AM  
**To:** Rapicavoli, Emmanuelle <[Rapicavoli.Emmanuelle@epa.gov](mailto:Rapicavoli.Emmanuelle@epa.gov)>  
**Cc:** John Krause <[john.krause@bia.gov](mailto:john.krause@bia.gov)>  
**Subject:** Fwd: [EXTERNAL] RE: Considerations for Keams PWS Feasibility Study

fyi... We're working on the Preventive Maintenance Program this week. did you receive the copy of the letter from our RD, re: Keams PWS CAP? Thanks, hope all is well. -john

----- Forwarded message -----

**From:** Graves, John <[john.graves@bia.gov](mailto:john.graves@bia.gov)>  
**Date:** Wed, Jun 27, 2018 at 8:22 AM  
**Subject:** Re: [EXTERNAL] RE: Considerations for Keams PWS Feasibility Study  
**To:** Tim Bodell <[tbodell@hopiuc.com](mailto:tbodell@hopiuc.com)>  
**Cc:** "Mahle, Kendrick" <[kendrick.mahle@bia.gov](mailto:kendrick.mahle@bia.gov)>, Phillip Sarracino <[Phillip.Sarracino@bia.gov](mailto:Phillip.Sarracino@bia.gov)>, John Krause <[john.krause@bia.gov](mailto:john.krause@bia.gov)>, Tsosie Tsinhnahjinnie <[tsosie.tsinhnahjinnie@bia.gov](mailto:tsosie.tsinhnahjinnie@bia.gov)>, "Wolf, Chris" <[cwolf@dbstephens.com](mailto:cwolf@dbstephens.com)>, "Hill, Jennifer" <[jhill@dbstephens.com](mailto:jhill@dbstephens.com)>, Carroll Onsae <[consae@hopitelecom.com](mailto:consae@hopitelecom.com)>

Thanks Tim. The Sanitary Survey completed by EPA's Contractor, Sleeping Giant Environmental Consultants, March, 2018, is attached for further planning consideration(s). -john

On Tue, Jun 26, 2018 at 3:49 PM, Tim Bodell <[tbodell@hopiuc.com](mailto:tbodell@hopiuc.com)> wrote:

Thanks for checking in John,

We had a good site visit with DBSA 2 weeks ago.

I suggest the basic scope of work will include the preliminary design and cost analysis to increase the capacity and length of the HAMP regional transmission main to the primary facilities discussed.

Then as an additional engineering task; the preliminary design and cost estimate to extend and retrofit the existing Keams BIA distribution system with cost appropriations.

Please send the most recent Sanitary Survey, as-built drawings or water system maps, and we will schedule a call with DBSA for next week.

Thanks,

TIM

928 566 2777

**From:** Graves, John <[john.graves@bia.gov](mailto:john.graves@bia.gov)>

**Sent:** Tuesday, June 26, 2018 3:31 PM

**To:** Tim Bodell <[tbodell@hopiuc.com](mailto:tbodell@hopiuc.com)>; Mahle, Kendrick <[kendrick.mahle@bia.gov](mailto:kendrick.mahle@bia.gov)>

**Cc:** Phillip Sarracino <[Phillip.Sarracino@bia.gov](mailto:Phillip.Sarracino@bia.gov)>; John Krause <[john.krause@bia.gov](mailto:john.krause@bia.gov)>; Tsosie Tsinhnahjinnie <[tsosie.tsinhnahjinnie@bia.gov](mailto:tsosie.tsinhnahjinnie@bia.gov)>

**Subject:** Considerations for Keams PWS Feasibility Study

Tim,

I wanted to ask if you've heard word back from DBSA regarding submittal of a technical proposal and cost estimate for the 2018 Feasibility Study to tie-in BIA Facilities to the HAMP? We need to ensure that they include capital costs of replacing the Agency's AST's in Keams Canyon and distribution lines into the pro-rated costs for utility customers. It would be good to provide DBSA with copy of the Keams PWS Sanitary Survey, if they haven't seen it already.

What were you able to find out about setting up a P.L. 93-638 Contract for HUC? When funding for the Study is received, we'll need somewhere to send the funds.

Thanks Tim, -john.

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**John Graves, Jr.**

Environmental Scientist

Bureau of Indian Affairs, Western Regional Office

Environmental and Cultural Resources Management

Office Direct (602) 240-8444 24hr (602) 796-5091

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**John Graves, Jr.**

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